**Dichotomous Key – Page 1**

**Assortment of Objects**

**1. 1Question:** _____

*Yes* *No*

**Go to Page 2**

**#(s):** _____

**2.1 Question:** _____

*Yes* *No*

**#(s):** _____ _____

**3.1 Question:** _____ _____

*Yes* *No* *Yes* *No*

**#(s):** _____ _____ _____ _____

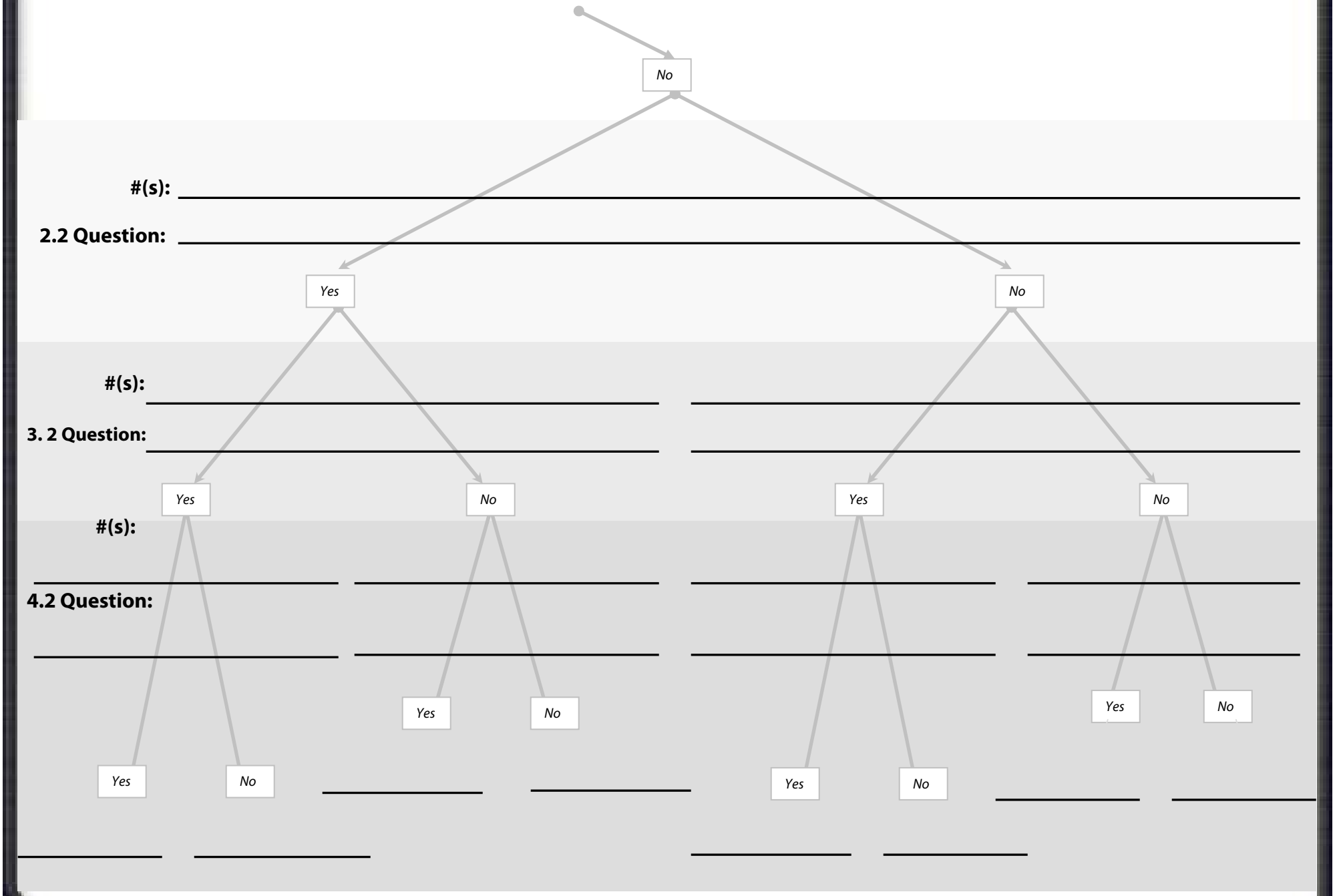
**4.1 Question:** _____ _____ _____ _____

*Yes* *No* *Yes* *No* *Yes* *No* *Yes* *No*

_____ _____ _____ _____ _____ _____ _____ _____

**Dichotomous Key Page 2**

**Question 1.1**



**Part 1.**

1.) Obtain an assortment of objects from your teacher.
2.) Label each object with a number.
3.) Observe the objects and create a list of characteristics that describes the similarities and differences of each object in the data table below.

| Object # | Physical Characteristics/Similarities/Differences |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |

**Part 2.**

Using your data table of characteristics and the diagrams on the following pages, you are going to create a series of yes/no questions that will help separate the objects into groups.

1.) On the following diagram, start by writing a yes/no question that will separate the entire assortment of objects into 2 groups. Write this as **1.1 Question.**

2.) Write the #'s of the objects under the appropriate answer to your question. **If the answer is NO, go to Dichotomous Key - Page 2.**

3.) Now write a new question for each of your YES and NO answers to separate each group into 2 more groups. Write these questions as **1.2 + 2.2.**

4.) Write the #'s of the objects under the appropriate answers to your questions.

5.) Continue this process until you have isolated each object.

6.) When you have completed your dichotomous key, trade your labeled assortment of objects and your key with another group.

7.) Evaluate the other group's key in distinguishing and identifying your collection of objects.

What criteria did you use to evaluate another groups' key?

Based on your evaluation, what would you do to improve your key?

Edit your key to make it more effective.